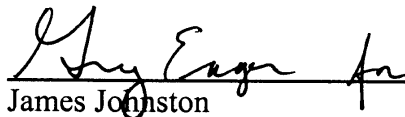


A. Permit Certificate

**MUNICIPAL AND INDUSTRIAL
WASTEWATER-LAND APPLICATION PERMIT
LA-000141-02**

**U.S. DEPARTMENT OF ENERGY – IDAHO OPERATIONS OFFICE, 1955
FREMONT AVENUE, IDAHO FALLS, IDAHO 83401-1203 AND BECHTEL
BWXT IDAHO (BBWI), LLC, 2525 FREMONT AVENUE, IDAHO FALLS,
IDAHO 83415-2898 ARE HEREBY AUTHORIZED TO CONSTRUCT, INSTALL,
AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT
SYSTEM LOCATED AT IDAHO NATIONAL ENGINEERING AND
ENVIRONMENTAL LABORATORY'S (INEEL) CENTRAL FACILITIES
AREA (CFA) SEWAGE TREATMENT PLANT (STP), (TOWNSHIP 2
NORTH, RANGE 30 EAST, SECTIONS 6 AND 7) IN ACCORDANCE WITH
THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE
WATER QUALITY STANDARDS AND WASTEWATER TREATMENT
REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE
(IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND
REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE
OF SIGNATURE AND EXPIRES ON January 25, 2010.**


James Johnston

Idaho Falls Regional Administrator
Idaho Department of Environmental Quality

Date:

**IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY
Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
(208) 528-2650
POSTING ON SITE RECOMMENDED**

B. Permit Contents, Appendices, and Reference Documents

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Appendices

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References

1. Waste Solids Management Plan (See Section E, CA-141-04).
2. Plan of Operations (O & M manual) (See Section E, CA-141-05).
3. Runoff Management Plan (See Section E, CA-141-06).

The Sections, Appendices, and Attachments listed on this page are all elements of Wastewater-Land Application Permit LA-000141-02 and are enforceable as such. This permit does not relieve the owner, **U.S. DOE – Idaho Operations**, hereafter referred to as the permittee, or the operator, **Bechtel BWXT Idaho (BBWI), LLC**, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Table 1. Abbreviations and Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BBWI	Bechtel BWXT Idaho, LLC
BMP or BMPs	Best Management Practices
CFA	Central Facilities Area
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 “Ground Water Quality Rule”
Handbook or Guidelines	Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. <i>Standard Permit Limits and Conditions</i> .
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. <i>Standard Permit Limits and Conditions</i> .
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IDAPA	Idaho Administrative Procedures Act.
INEEL	Idaho National Engineering and Environmental Laboratory
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
STP	Sewage Treatment Plant
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
USDOE	United States Department of Energy
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Table 2. Specific Facility Information

Legal Name of Permittee	United States Department of Energy (USDOE-Idaho) and Bechtel BWXT Idaho, LLC (BBWI)
Type of Wastewater	Municipal and Industrial
Method of Treatment	Aerobic lagoon, facultative lagoon, slow-rate land application
Type of Facility	Federal (USDOE) Facility located at the Idaho National Engineering and Environmental Laboratory (INEEL). This treatment system is associated with the INEEL Central Facilities Area (CFA).
Facility Location	Located at the East-Southeast edge of the Central Facility Area of INEEL. INEEL is located approximately 52 miles west of Idaho Falls, ID.
Legal Location	T2N, R30E, Sections 6 and 7
County	Butte
USGS Quad	Circular Butte 3 SW
Soils on Site	Silty clay loam
Depth to Ground Water	The depth to the regional aquifer (Snake River Plain aquifer) is approximately 500 feet.
Beneficial Uses of Ground Water	Agricultural, industrial, domestic
Nearest Surface Water	Big Lost River
Beneficial Uses of Surface Water	Irrigation
Responsible Officials Mailing Address Phone / Fax	<p>John F. Kotek, Deputy Manager U.S. Department of Energy – Idaho Operations Office Mail Stop 1203 1955 Fremont Avenue Idaho Falls, Idaho 83401-1203 Tel: (208) 526-2497 Fax: (208) 526-0542</p> <p>Jerry Ethridge, Vice President, Facility & Operations Services Bechtel BWXT Idaho (BBWI), LLC Mail Stop 3898 P.O. Box 1625 Idaho Falls, Idaho 83415-3898 Tel: (208) 526-5134 Fax: (208) 526-4451</p>

D. Facility Information

Facility Contacts Mailing Address Phone / Fax	<p>Richard Kauffman, Environmental Technical Support U.S. Department of Energy – Idaho Operations Office Mail Stop 1216 1955 Fremont Avenue Idaho Falls, Idaho 83401-1216 Tel: (208) 526-7177 Fax: (208) 526-1926</p> <p>Ron Guymon, Director, INEEL Environmental Compliance Bechtel BWXT Idaho (BBWI), LLC Mail Stop 4143 P.O. Box 1625 Idaho Falls, Idaho 83415-4143 Tel: (208) 526-4704 Fax: (208) 526-5848</p>
Additional Facility Information	<p>The Department of Energy is a federal agency of the Executive Branch. By applying for, and accepting this WLAP, USDOE reserves and does not waive any rights, authority, claim or defenses, including both sovereign immunity and federal preemption under the Atomic Energy Act (AEA), that it may have or wish to pursue in any administrative, judicial or other proceeding.</p> <p>USDOE Asserts, with respect to AEA radioactive materials, that it is a self-regulating entity under the AEA. As such, the approval granted by DEQ to the permittee to land apply wastewater, as contained in this permit, does not authorize the application or disposal of AEA radioactive materials that may occur during the wastewater land application activities authorized by this permit.</p>

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Table 3. Compliance Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-141-01 Site Maps Within 6 months of permit issuance	Submit new and/or updated Site Maps to reflect accurate locations of the monitoring wells, all soil monitoring sites, dwellings, domestic and municipal drinking water wells, groundwater contours and direction of flow, lagoons, and wastewater influent and effluent sampling sites. Maps shall incorporate all requirements of IDAPA 58.01.17.300.05.e through 05.f. Submittal of accurate, Permittee-created flood plain maps for 25, 50, and 100 year events may be used in lieu of FEMA maps if applicable FEMA maps do not exist.
CA-141-02 Seepage Rate Testing Within 12 months of permit issuance	Within 12 months of issuance, complete seepage rate testing on each of the STP lagoons per DEQ approved procedures of January 22, 2002. Submit a report summarizing the testing procedure, measurement methods, equipment used, results, and conclusions for DEQ review and approval.
CA-141-03 Lagoon Repair and/or Replacement Plan & Schedule If necessary, within ninety (90) days of completing each seepage test.	<p>The seepage performance standard for the CFA STP requires that seepage shall not exceed 0.125 inches/day. If any of the three (3) CFA STP lagoons fail to meet this seepage requirement, the permittee shall submit a plan and schedule within 90 days, for DEQ review and approval, to either repair, replace or properly abandon the lagoon(s). Upon approval by DEQ, the Plan and Schedule shall be incorporated by reference into this permit and become an enforceable part of this permit.</p> <p>If lagoon replacement or refurbishment is required, all design, construction or repair activities shall meet the sealing requirements specified in the Recommended Standards for Wastewater Facilities, Section 93.422.</p>
CA-141-04 Waste Solids Management Plan Within 12 months of permit issuance	Submit an updated Waste Solids (Biosolids) Management Plan to DEQ for review and approval. The Plan shall describe how waste solids generated at the facility shall be handled and disposed of to meet permit requirements specified in Section I, No. 5 of this permit.
CA-141-05 Operation & Maintenance (O&M) Manual Within 12 months of permit issuance.	An updated Operation and Maintenance Manual for the sewage treatment and wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to the Department for review and approval. The manual shall reference other written procedures required for the operation and maintenance of the wastewater treatment system. Upon approval, the Manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
<p style="text-align: center;">CA-141-06 Runoff Management Plan</p> <p>Within 12 months of permit issuance</p>	<p>Prepare and submit to DEQ for approval a runoff management plan and implementation schedule with control structures and other BMPs (e.g. collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater land application to property not permitted for land application except in the event of a 25-year, 24-hour storm event or greater, using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 'Isopluvials of 25-YR, 24-HR Precipitation'. For this site, the 25-year, 24-hour event is 2.10 inches. Upon approval of the plan and schedule by DEQ, the contracted operator shall implement the runoff management plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan.</p>

F. Permit Limits and Conditions

The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Table 4. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Type of Wastewater	Municipal and Industrial Wastewater
Application Site Area	73.5 acres
Application Season	April 1 through October 31, weather permitting. Application to frozen or snow covered ground is prohibited.
Growing Season (GS)	GS – April 1 through October 31 (214 days).
Non-Growing Season (NGS)	NGS – November 1 through March 31 (151 days).
Reporting Year for Annual Loading Rates	November 1 through October 31.
Maximum Hydraulic Loading Rate, Growing Season (wastewater only)	46 MGA may be applied on up to 73.5 acres, and shall not exceed 23.0 acre-inch/acre/year. Wastewater shall be applied as evenly as practicable to the entire land application site.
Runoff	Runoff shall be managed in accordance with the Runoff Management Plan. See Section E, Compliance Activity CA-141-06.
Ground Water Quality	As a result of the operation of the wastewater land treatment system authorized by this permit, the permittee shall be in compliance with the Ground Water Quality Rule (GWQR), IDAPA 58.01.11.
Maximum COD Loading, seasonal average in Pounds / acre-day, each HMU	50 pounds/acre-day seasonal average for growing season.
Maximum Nitrogen Loading Rate, pounds / acre-year, each HMU (from all sources including waste solids and supplemental fertilizers).	32.0 lb/ac-yr
Grazing	Grazing of domesticated animals within the land application site is prohibited.
Allowable crops	Cultivation of crops grown for human consumption is prohibited.

F. Permit Limits and Conditions

Category	Permitted Limits and Conditions
Fencing and Posting	<p>Fencing is not required.</p> <p>Posting shall state “Sewage Effluent Application – Keep Out”, or equivalent. Posting required every 500 feet and at each corner of the outer perimeter of the buffer zone(s) at the site. Posting shall be visible and legible from outside of the wastewater application perimeter.</p>
Supplemental Irrigation	Application of supplemental (fresh) irrigation water is prohibited.
Buffer Zones	<p>The CFA STP effluent is not disinfected. Therefore, the following minimum buffer zone distances shall be provided between land application areas and the following items:</p> <p>Domestic Water Wells: 500 ft. Public Water Wells: 1000 ft Surface Water: 100 ft Private Property: 1000 ft Public Access Areas: 1000 ft</p>
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.

G. Monitoring Requirements

- 1) Pursuant to IDAPA 58.01.02.090.01 and IDAPA 58.01.11.200.01.c., appropriate analytical methods, as given in 40 CFR 136, 40 CFR 141, 40 CFR 143, or as approved by the Idaho Department of Environmental Quality, shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual or other written procedures.
- 2) The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.
- 3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
- 4) Unless otherwise specified in this permit, influent and effluent wastewater samples shall be 24 hour flow-proportioned samples of at least 8 aliquots collected either manually or automatically in a manner that yields a representative sample. When effluent flow periods are less than 24 hours, an appropriate number of flow-proportioned aliquot samples shall be collected to yield a representative sample. The number of samples necessary for adequate sampling shall be described in the Operation and Maintenance Manual (See Section E, CA-141-05).
- 5) If the soil management unit is less than 15 acres, use 5 sample locations. If the soil management unit is greater than 15 acres, use 10 sample locations. All soil sample collection locations shall be randomly identified within the soil management unit.
- 6) Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches, or refusal. The soil samples collected at 0-12 inches from each sample location shall be composited. Similarly, all soil samples collected at 12-24 inches shall be composited and all soil samples collected at 24-36 inches shall be composited. This method will yield three samples for analysis, one for 0-12 inches, one for 12-24 inches and one for 24-36 inches.
- 7) Reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
- 8) Monitoring locations are defined in Appendix 1, "Environmental Monitoring Serial Numbers".

Table 5. Facility Monitoring

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Daily	Influent Prior To Lagoons (Flow Meter)	Influent Flow Rate	Gallons per Day (gpd)
Daily (when land applying)	Discharge Point of Wastewater effluent to Land Application (Flow Meter)	Volume of Wastewater Land Applied	Gallons per Day (gpd)
Monthly (every month)	Influent to Lagoon #1	24-hour composite sample	Total Kjeldahl Nitrogen, Nitrate + Nitrite - Nitrogen, Biological Oxygen Demand, Chemical Oxygen Demand, Total Suspended Solids

G. Monitoring Requirements

Frequency	Monitoring Point	Description and Type of Monitoring	Parameters
Monthly (every month)	Influent to Lagoon #1	Grab sample	pH
Monthly (when land applying)	Effluent to Land Application	Grab sample	pH, Total Coliform, Fecal Coliform
Monthly (when land applying)	Effluent to Land Application	24-hour composite sample	Total Kjeldahl Nitrogen, Nitrate + Nitrite - Nitrogen, Biological Oxygen Demand, Chemical Oxygen Demand, Total Suspended Solids, Total Dissolved Solids, Total Phosphorus
Monthly	HMU ^a	Calculation; loading per acre	Volume to HMU (MG and in/ac)
Monthly	HMU	Calculation; loading per acre	Total Nitrogen, Total Phosphorus, Chemical Oxygen Demand, Total Suspended Solids, Total Dissolved Solids (lb/ac)
Annually	HMU	Calculation; loading per acre	Volume to HMU (MG and in/ac-yr)
Annually	HMU	Calculation; loading per acre	Total Nitrogen, Total Phosphorus, Chemical Oxygen Demand, Total Suspended Solids, Total Dissolved Solids (lb/ac-yr)
Annually (October)	SMU ^b	Soil Composites as specified in Section G, No. 7.	Ammonium-Nitrogen, Nitrate-Nitrogen, Electrical Conductivity, Sodium Absorption Ratio, pH, %Organic Matter, plant available phosphorus
Annually	HMU	Acres used for Land Application	Acres

^a Hydraulic Management Unit

^b Soil Monitoring Unit

H. Standard Reporting Requirements

- 1.) The Permittee shall submit an Annual Wastewater-Land Application Site Performance Report (“Annual Report”) prepared by a competent environmental professional no later than March 1 of each year, which shall cover the previous reporting year from November 1 through October 31. The Annual Report shall include an interpretive discussion of monitoring data (soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.
- 2.) The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. The permittee shall summarize and submit all monitoring data generated by the facility as specified in *Section G* to the Department with the annual report. If the permittee monitors any parameter for compliance purposes more frequently than required by this permit, the results of the additional compliance monitoring shall be included in this summary and submitted in the annual report. Data collected in support of the daily operation of the treatment system shall not be included.
- 3.) The annual report shall contain a discussion of all noncompliance events, reported under Section I.7 of this permit, which occurred during the WLAP reporting year. The discussion shall include the cause of each noncompliance, the corrective actions implemented to reduce or eliminate each noncompliance, and whether or not each noncompliance has been corrected. For the noncompliance events that have not been corrected, the annual report shall present further corrective actions that will be implemented to reduce or eliminate the noncompliance, including an implementation plan and schedule for the corrective actions and an expected time period when the facility expects to return to compliance.
- 4.) One copy of the annual report shall be submitted to the Engineering Manager at the Idaho Falls Regional DEQ Office.

Greg Eager, P.E.
Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

One copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

- 5.) Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.
2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.
3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
 - a. Apply wastewater as evenly as practicable to the treatment area;
 - b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy, or support vectors; and
 - c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.
4. The permittee shall not hydraulically overload any particular area of the wastewater land application treatment site.
5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which prevents their entry, or the entry of contaminated drainage or leachate therefrom, into state waters such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.
6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include recent (within 12 months) seepage tests on all lagoons per latest DEQ procedures.
7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
 - a. Enter the permitted facility,
 - b. Inspect any records that must be kept under the conditions of the permit.
 - c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
 - d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.
8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
 - a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
 - b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
 - c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certification Page
Emergency 24 Hour Number 1-800-632-8000

- d. In writing as soon as possible but within sixty (60) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

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I. Standard Permit Conditions: Procedures and Reporting

- i. A description of the non-compliance and its cause;
 - ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
 - iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
- e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.
9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.
10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violations, and Revocations

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.
2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.
3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in H. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.
4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.
5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars (\$10,000) or one thousand dollars (\$1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.
6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.
7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee requests an administrative hearing in writing to the Board of the Department of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.
8. If, pursuant to Idaho Code Section 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of the Department of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.
9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.
- 10) The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall:
 - a) participate in a pre-site closure meeting with the DEQ;
 - b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and
 - c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1

Environmental Monitoring Serial Numbers

Table 6. HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-014101	Land Application Field 1	73.5

Table 7. WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-014101	Grab sample and 24-hour composite sample of Influent prior to pond 1, but not before the Lift Station wet well.
WW-014102	Grab sample and 24-hour composite sample of effluent discharge to land application site, but not after the pump well.

Table 8. SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-014101	Land Application Field 1, 73.5 acres	MU-014101

Table 9. LAGOONS

Serial Number	Description
LG-014101	Lagoon no. 1; Aeration lagoon
LG-014102	Lagoon no. 2; Facultative lagoon
LG-014103	Lagoon no. 3; Polishing lagoon

Appendix 2

Site Maps

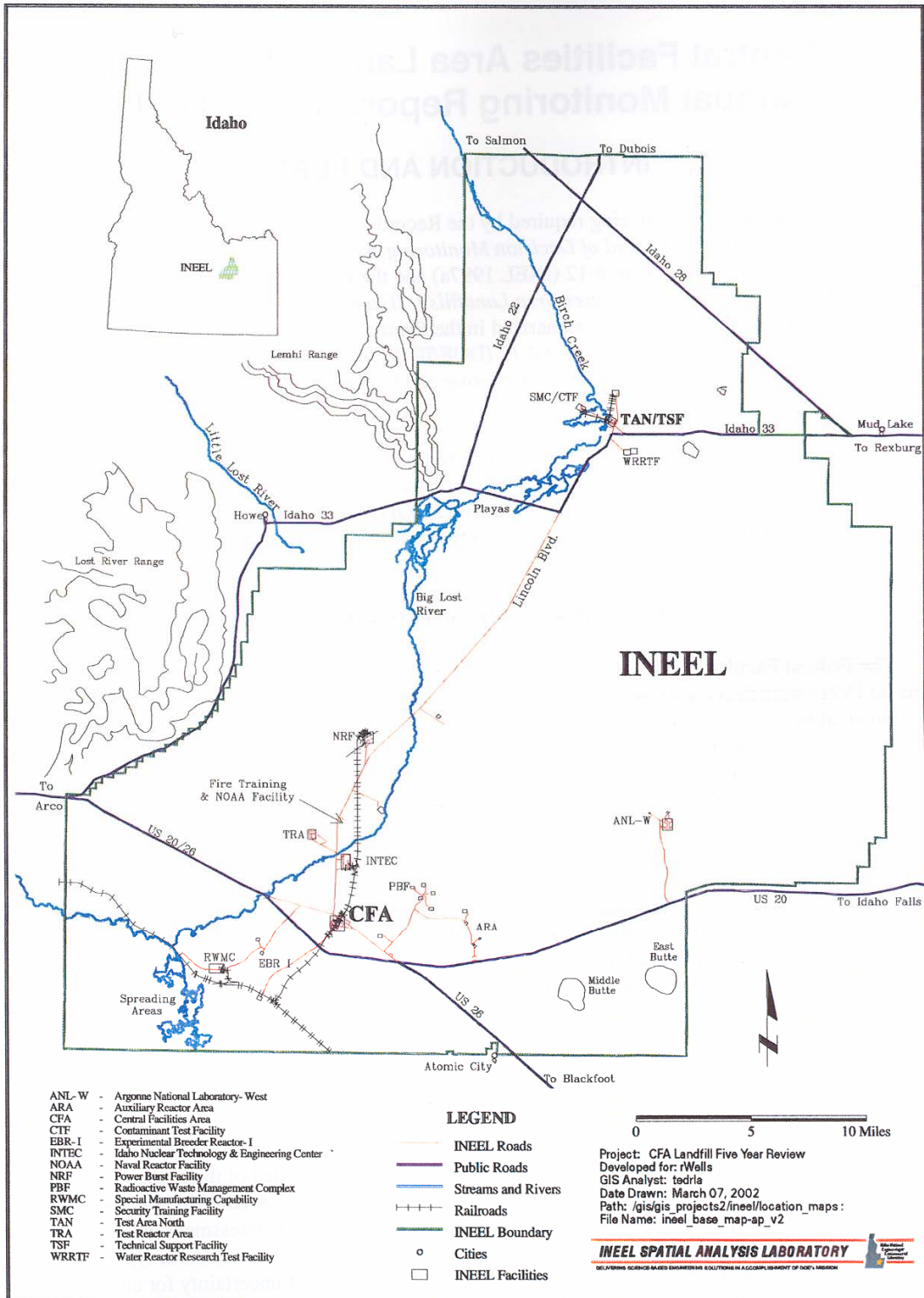


Figure 1. Location of WAG 4 (CFA) at the INEEL.

Appendix 2

Site Maps

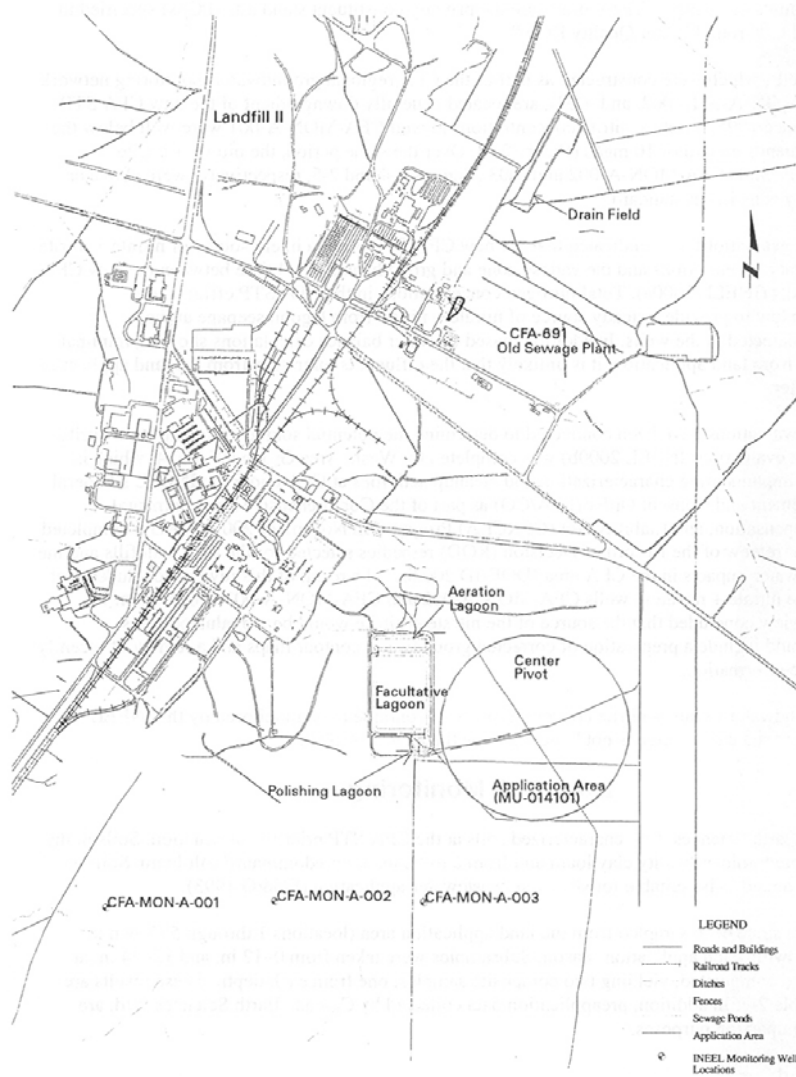


Figure 2. CFA, WWTP orientation and groundwater monitoring wells.

Appendix 2

Site Maps

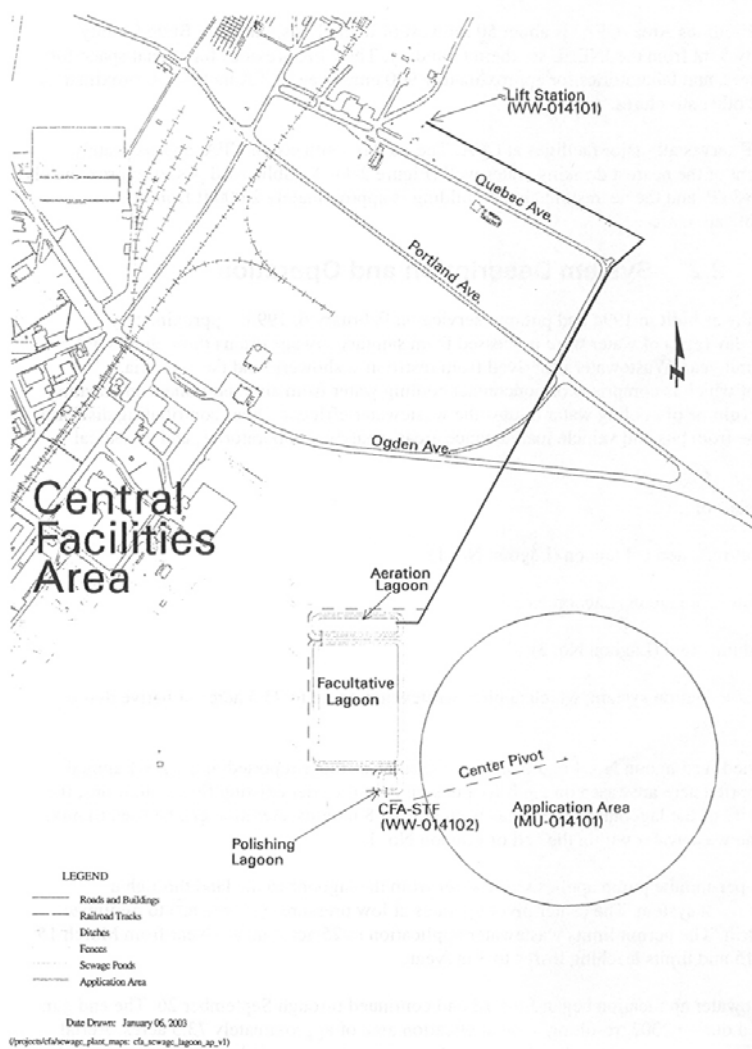


Figure 3. WWTP Lagoons and Land Application Site.

Site Maps

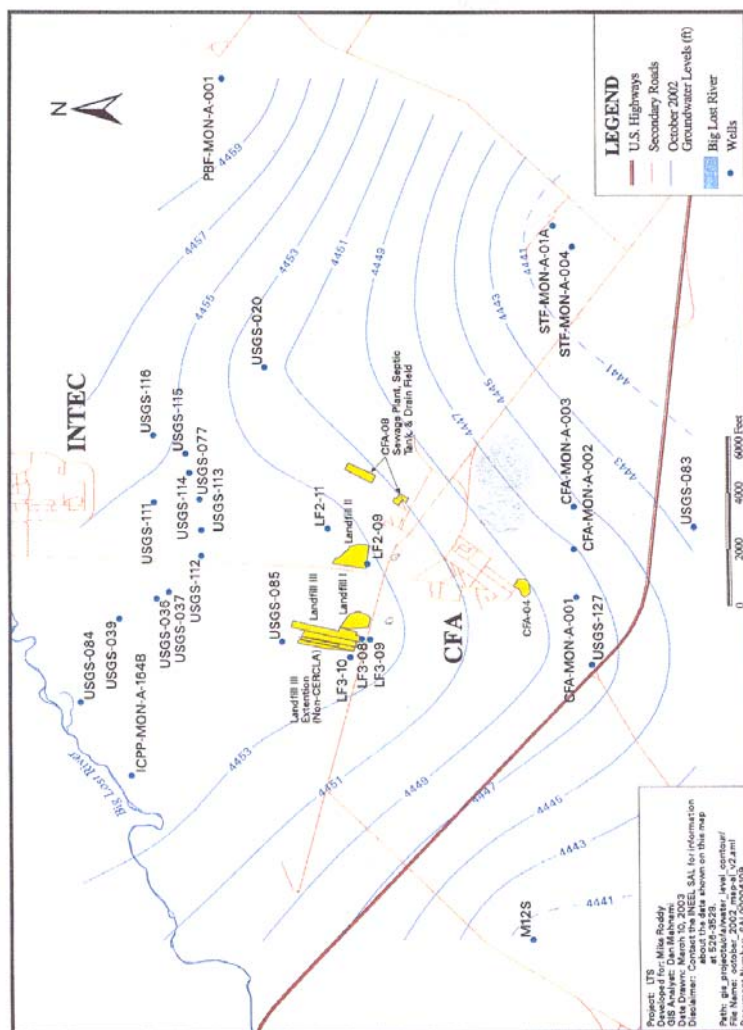


Figure 4. Groundwater gradients beneath INEEL CFA.